Performance Data Sheet

AGA4534AXT

General Information

Model	AGA4534AXT	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	32500	27900	24500	22000	20000	18100	15900
	Watts	2270	2340	2400	2450	2500	2540	2560
	Amps	7.47	7.52	7.56	7.60	7.64	7.69	7.76
	Lb/h	484	426	387	362	342	323	297
25	Btu/h	36800	31900	28200	25400	23100	20900	18400
	Watts	2330	2430	2530	2610	2680	2740	2780
	Amps	7.79	7.88	7.97	8.06	8.15	8.26	8.39
	Lb/h	549	488	447	418	396	373	344
30	Btu/h	41200	36000	32000	28900	26200	23700	20900
	Watts	2390	2530	2660	2770	2860	2940	2990
	Amps	8.08	8.22	8.36	8.51	8.66	8.82	9.01
	Lb/h	616	552	507	476	450	424	392
35	Btu/h	45800	40200	35900	32400	29500	26600	23500
	Watts	2450	2620	2780	2920	3040	3130	3200
	Amps	8.34	8.54	8.73	8.93	9.14	9.37	9.62
	Lb/h	685	618	571	536	508	479	443
40	Btu/h	50700	44800	40100	36300	33000	29900	26400
	Watts	2510	2720	2900	3070	3210	3320	3400
	Amps	8.57	8.82	9.08	9.34	9.61	9.90	10.2
	Lb/h	759	690	639	602	570	539	500
45	Btu/h	56100	49800	44800	40600	37000	33500	29700
	Watts	2560	2800	3020	3210	3370	3500	3600
	Amps	8.77	9.08	9.40	9.72	10.1	10.4	10.8
	Lb/h	840	768	715	675	641	606	564
50	Btu/h	62000	55300	49900	45400	41400	37600	33500
	Watts	2620	2890	3130	3350	3530	3680	3780
	Amps	8.94	9.31	9.69	10.1	10.5	10.9	11.4
	Lb/h	931	856	801	758	721	683	639
55	Btu/h	68600	61600	55800	50900	46600	42300	37900
	Watts	2660	2970	3240	3480	3680	3840	3960
	Amps	9.07	9.51	9.96	10.4	10.9	11.4	11.9
	Lb/h	1030	956	898	852	812	772	725

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.284373E+05	3.588840E+03	5.687421E+00	2.035461E+03
C2	1.602018E+03	-8.495058E+01	3.582961E-02	2.280220E+01
C3	-2.866318E+03	-3.109054E+01	2.564862E-02	-4.751650E+01
C4	-9.356930E+00	2.059623E-01	-7.297701E-04	-2.130691E-01
C5	-6.694971E+00	1.522525E+00	4.099160E-04	-5.852999E-02
C6	2.284047E+01	1.815778E-01	-3.529592E-04	3.918914E-01
C7	1.666665E-01	-1.047624E-03	-2.952357E-06	2.862187E-03
C8	-2.202543E-02	-1.621110E-03	5.652824E-06	1.529803E-04
C9	7.343230E-03	-4.178905E-03	1.735622E-06	-4.876871E-05
C10	-6.250007E-02	-4.166733E-04	1.041638E-06	-1.088537E-03

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature